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WHAT IS CLAIMED IS:

1. A self-adhering surface covering comprising: a substrate;

a pressure-sensitive adhesive layer disposed on the substrate and having an adhesive surface distal from the substrate; and

a barrier layer disposed on the adhesive surface comprising substantially non-adhesive particles having a crush resistance of at least about 10 psi while disposed on the adhesive layer,

wherein the surface covering has substantially no tack at about 10 psi at about 140° F. but has tack at about 20 psi at about 75° F.

- 2. The surface covering as claimed in claim 1, wherein the particles are randomly and substantially uniformly distributed over the surface of the adhesive layer.
- 3. The surface covering as claimed in claim 1, wherein at least some of the particles are distributed on the adhesive surface in a pattern.
- 4. The surface covering as claimed in claim 1, wherein the particles have a diameter about equal to or greater than the thickness of the adhesive layer.
- 5. The surface covering as claimed in claim 1, wherein the particles have a diameter at least greater than the thickness of the adhesive layer.
- 6. The surface covering as claimed in claim 1, wherein the particles have a diameter between about 2 to about 6 mils.
- 7. The surface covering as claimed in claim 1, wherein the particles are distributed onto the adhesive surface in an amount between about 0.05 and about 0.2 grams/ft² of adhesive surface.
- 8. The surface covering as claimed in claim 1, wherein the particles are distributed onto the adhesive surface in an amount between about 0.01 and about 0.1 cm³/ft² of adhesive surface.
- 9. The surface covering as claimed in claim 1, wherein the particles cover about 1% to about 10% of the adhesive surface of the adhesive layer.
- 10. The surface covering as claimed in claim 1, wherein the particles cover about 2% of the adhesive surface of the adhesive layer.
- 11. The surface covering as claimed in claim 1, wherein the particles are collapsible or fragile under conditions employed for pressure-bonding the surface covering to a desired site of bonding.

- 12. The surface covering as claimed in claim 1, wherein the adhesive layer is capable of supporting a load of up to about 20 psi prior to the particles being crushed.
- 13. The surface covering as claimed in claim 1, wherein the adhesive layer has a thickness between about 1 and about 2 mils.
- 14. The surface covering as claimed in claim 1, wherein pressure-sensitive adhesive layer is comprises an adhesive selected from natural rubber adhesives, synthetic rubber adhesives, acrylic adhesives, vinyl acetate adhesives, urethane adhesives, and mixtures thereof.
- 15. The surface covering as claimed in claim 1, wherein the pressure-sensitive adhesive layer comprises an e-beam curable adhesive comprising tridecyl acrylate and acrylic acid.
- 16. The surface covering as claimed in claim 1, wherein at least some of the particles are partially embedded in the adhesive layer.
- 17. The surface covering as claimed in claim 1, wherein the particles are capable of substantially resisting crushing upon being subjected to a load of about 60 lb/ft² which is dropped a vertical distance of about 1 foot.
 - 18. A self-adhering surface covering comprising: a substrate;
- a pressure-sensitive adhesive layer disposed on the substrate and having an adhesive surface distal from the substrate, the adhesive layer comprising a substantially non-stringing adhesive; and
- a barrier layer disposed on the adhesive surface comprising substantially non-adhesive particles having a crush resistance of at least about 10 psi.
- 19. The surface covering as claimed in claim 18, wherein the particles are randomly and substantially uniformly distributed over the surface of the adhesive layer.
- 20. The surface covering as claimed in claim 18, wherein at least some of the particles are distributed on the adhesive surface in a pattern.
- 21. The surface covering as claimed in claim 18, wherein the particles have a diameter about equal to or greater than the thickness of the adhesive layer.
- 22. The surface covering as claimed in claim 18, wherein the particles have a diameter at least greater than the thickness of the adhesive layer.
- 23. The surface covering as claimed in claim 18, wherein the particles have a diameter between about 2 to about 6 mils.

- 24. The surface covering as claimed in claim 18, wherein the particles are distributed onto the adhesive surface in an amount between about 0.05 and about 0.2 grams/ft² of adhesive surface.
- 25. The surface covering as claimed in claim 18, wherein the particles are distributed onto the adhesive surface in an amount between about 0.01 and about 0.1 cm³/ft² of adhesive surface.
- 26. The surface covering as claimed in claim 18, wherein the particles cover about 1% to about 10% of the adhesive surface of the adhesive layer.
- 27. The surface covering as claimed in claim 18, wherein the particles cover about 2% of the adhesive surface of the adhesive layer.
- 28. The surface covering as claimed in claim 18, wherein the particles are collapsible or fragile under conditions employed for pressure-bonding the surface covering to a desired site of bonding.
- 29. The surface covering as claimed in claim 18, wherein the adhesive layer is capable of supporting a load of up to about 20 psi prior to the particles being crushed.
- 30. The surface covering as claimed in claim 18, wherein the adhesive layer has a thickness between about 1 and about 2 mils.
- 31. The surface covering as claimed in claim 18, wherein pressure-sensitive adhesive layer is comprises an adhesive selected from natural rubber adhesives, synthetic rubber adhesives, acrylic adhesives, vinyl acetate adhesives, urethane adhesives, and mixtures thereof.
- 32. The surface covering as claimed in claim 18, wherein the pressure-sensitive adhesive layer comprises an e-beam curable adhesive comprising tridecyl acrylate and acrylic acid.
- 33. The surface covering as claimed in claim 18, wherein at least some of the particles are partially embedded in the adhesive layer.
- 34. The surface covering as claimed in claim 18, wherein the particles are capable of substantially resisting crushing upon being subjected to a load of about 60 lb/ft² which is dropped a vertical distance of about 1 foot.
- 35. A method of manufacturing a self-adhering surface covering comprising the steps of:

applying an adhesive to a substrate to form an adhesive layer having an adhesive surface; and

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applying a barrier layer comprising substantially non-adhesive particles to the adhesive surface to form the surface covering, wherein the particles have a crush resistance of at least about 10 psi while disposed on the adhesive layer.

- 36. The method as claimed in claim 35, wherein the particles are crushable when subjected to a load of about 20 psi while disposed on the adhesive layer.
- 37. The method as claimed in claim 35, wherein the surface covering has substantially no tack at about 10 psi at about 140° F. but has tack at about 20 psi at about 75° F.
- 38. The method as claimed in claim 35, wherein the adhesive layer comprises a substantially non-stringing adhesive.
- 39. The method as claimed in claim 35, wherein the particles are randomly and substantially uniformly distributed over the surface of the adhesive layer.
- 40. The method as claimed in claim 35, wherein at least some of the particles are distributed in a substantially uniform pattern or design on the adhesive surface.
- 41. The method as claimed in claim 35, wherein the particles have a diameter about equal to or greater than the thickness of the adhesive layer.
- 42. The method as claimed in claim 35, wherein the particles have a diameter at least greater than the thickness of the adhesive layer.
- 43. The method as claimed in claim 35, wherein the particles have a diameter between about 2 to about 6 mils.
- 44. The method as claimed in claim 35, wherein the particles are distributed onto the adhesive surface in an amount between about 0.05 and about 0.2 grams/ft² of adhesive surface.
- 45. The method as claimed in claim 35, wherein the particles are distributed onto the adhesive surface in an amount between about 0.01 and about 0.1 cm³/ft² of adhesive surface.
- 46. The method as claimed in claim 35, wherein the particles cover about 1% to about 10% of the adhesive surface of the adhesive layer.
- 47. The method as claimed in claim 35, wherein the particles cover about 2% of the adhesive surface of the adhesive layer.
- 48. The method as claimed in claim 35, wherein the particles are collapsible or fragile under conditions employed for pressure-bonding the surface covering to a desired site of bonding.

- 49. The method as claimed in claim 35, wherein the adhesive layer is capable of supporting a load of up to about 20 psi prior to the particles being embedded below the adhesive surface.
- 50. The method as claimed in claim 35, wherein the adhesive layer has a thickness between about 1 and about 2 mils.
- 51. The method as claimed in claim 35, wherein pressure-sensitive adhesive layer is comprises an adhesive selected from natural rubber adhesives, synthetic rubber adhesives, acrylic adhesives, vinyl acetate adhesives, urethane adhesives, and mixtures thereof.
- 52. The surface covering as claimed in claim 18, wherein the pressure-sensitive adhesive layer comprises an e-beam curable adhesive comprising tridecyl acrylate and acrylic acid.
- 53. The method as claimed in claim 35, wherein at least some of the particles are partially embedded in the adhesive layer.
- 54. The method as claimed in claim 35, wherein the particles are capable of substantially resisting crushing upon being subjected to a load of about 60 lb/ft² which is dropped a vertical distance of about 1 foot.